

ABSTRACT OF THE DISCLOSURE

A device for protecting an electrode during the resistance welding of workpieces, particularly of metal sheets, is made of a strip that is placed over the electrode, in a manner that enables it to be displaced in relation thereto. In order to reduce the wearing of the electrode, the strip is formed from at least two metal strips, which are arranged one atop the other and which are made of different materials. The materials of the metal strips are preferably matched to the material of the electrode and to the material of the workpiece, particularly the metal sheet, with regard to predetermined properties. A spot-welding tool is provided for carrying out the resistance welding of workpieces, particularly of metal sheets, having at least one electrode. A resistance welding method welds two workpieces, particularly metal sheets to one another by spot-welding tools.